

**WASHINGTON STATE DEPARTMENT OF HEALTH  
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

**ANNUAL GROWING AREA REVIEW**

**PREPARED BY:** Donald Melvin, Environmental Specialist

**AREA:** Blake Island

**YEAR ENDING:** December 31, 2005

**CLASSIFICATION:** Approved, Conditionally Approved, Prohibited

**ACTIVITIES IN THE GROWING AREA IN 2005:**

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. A waste water treatment plant evaluation was completed and a marina closure zone evaluation and sanitary survey was also conducted. The Conditionally Approved portion of Blake Island was closed from May 1 through September 30 in accordance with the management plan for this area. The area was closed for 14 days due to high levels of paralytic shellfish toxin.

**ANALYTICAL RESULTS OF WATER SAMPLES:**

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

**CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:**

We currently have no information indicating that the area has new sources of pollution.

**CLASSIFICATION STATUS:**

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

**REMARKS AND RECOMMENDATIONS:**

Table #1 shows that all stations meet the NSSP water quality standards for approved and conditionally approved classification and the area is correctly classified.

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**MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:**

1. Have all parties involved complied with the conditions in the management plan .....Yes
2. Has reporting been adequate to manage the conditional area .....Yes
3. Does the area consistently meet approved area criteria when it is open for harvest .....Yes
4. Has a field inspection of critical pollution sources been conducted.....Yes

**TABLE 1****SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **BLAKE ISLAND**Classification: **Approved,Prohibited,Conditionally Approved,Unclassified**From **12/04/2000** To **11/21/2005****FECAL COLIFORM ORGANISMS/100 ML**

<b>Station Number</b>	<b>Classification</b>	<b>Number of Samples</b>	<b>Range</b>	<b>Geometric Mean</b>	<b>Est. 90th Percentile</b>	<b>Meets Std.</b>
398	Approved	31	1.7 - 2.0	1.7	1.0	Yes
399	Approved	31	1.7 - 7.8	1.9	2.0	Yes
401	Approved	31	1.7 - 7.8	1.8	2.0	Yes
397	Prohibited	31	1.7 - 13.0	2.0	4.0	Yes
400	Conditionally Approved	30	1.7 - 2.0	1.7	1.0	Yes
402	Conditionally Approved	31	1.7 - 4.5	1.9	2.0	Yes
686	Unclassified	4	1.7 - 2.0	1.7	1.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

\* N/A - SRS criteria require a minimum of 30 samples from each station. \*



